

526,679

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number
WO 2004/022500 A2

- (51) International Patent Classification⁷: **C04B**
- (21) International Application Number:
PCT/EP2003/010001
- (22) International Filing Date:
5 September 2003 (05.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0220604.3 5 September 2002 (05.09.2002) GB
- (71) Applicant (for FR only): **SERVICES PETROLIERS SCHLUMBERGER** [FR/FR]; 42, rue Saint Dominique, F-75007 Paris (FR).
- (71) Applicant (for GB, JP, NL only): **SCHLUMBERGER HOLDINGS LIMITED** [—/—]; P.O. Box 71, Craigmuir Chambers, Road Town, Tortola (VG).
- (71) Applicant (for CA only): **SCHLUMBERGER CANADA LIMITED** [CA/CA]; 24th Floor Monenco Place, 801 6th Avenue SW, Calgary, Alberta T2P 3W2 (CA).
- (71) Applicant (for AM, AT, AZ, BY, DE, DK, IT, KG, KP, KR, KZ, MD, NO, NZ, PL, RO, RU, TJ, TM, UA only): **SCHLUMBERGER TECHNOLOGY BV** [NL/NL]; Parkstraat 83-89, NL-2514 JG The Hague (NL).
- (71) Applicant (for AE, AG, AL, AU, BA, BB, BE, BF, BG, BJ, BR, BZ, CF, CG, CH, CI, CM, CN, CO, CR, CU, CY, CZ, DM, DZ, EC, EE, ES, FI, GA, GD, GE, GH, GM, GN, GQ, GR, GW, HR, HU, ID, IE, IL, IN, IS, KE, LC, LK, LR, LS, LT, LU, LV, MA, MC, MG, MK, ML, MN, MR, MW, MX, MZ, NE, NI, OM, PG, PH, PT, SC, SD, SE, SG, SI, SK, SL, SN, SY, SZ, TD, TG, TN, TR, TT, TZ, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW only): **SOFITECH NV** [BE/BE]; Rue de Stalle 140, B-1180 Brussels (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DACCORD, Gerard** [FR/FR]; 7, rue des Caves, F-91430 Vauhallan (FR). **BEDEL, Jean-Philippe** [FR/FR]; 20 Chemin des Montjoies, F-91310 Montlhery (FR). **ERMEL, Michel** [FR/FR]; 10, avenue Michele, La Brosse, F-78470 St Lambert des Bois (FR).
- (74) Agents: **HYDEN, Martin et al.**; Etudes et Productions Schlumberger, Service Propriete Intellectuelle, 1, rue Henri Becquerel, Boîte postale, F-92142 Clamart (FR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WELL CEMENTING SLURRIES CONTAINING FIBERS

(57) Abstract: The problem of fibre or particle settling in well cement slurries is addressed by providing a fluid containing two fibre components of differing properties. Such a well treatment fluid, comprising a base fluid; a first fibre component that is substantially more dense than the base fluid; and a second fibre component that has a density close to that of the base fluid and is relatively flexible.

WO 2004/022500 A2